Navy Environmental Quality Fact Sheet

Do you test AFFF systems on Crash Fire Rescue trucks?

Would you like to improve this process in the following areas?

- ***Meeting environmental compliance regulations*** -- Eliminate AFFF (Aqueous Film Forming Foam) wastewater generation. Applicable regulatory areas include CWA and local fire regulations that are stricter than NAVFAC P-1021.
- ***Improving workers' safety and health*** -- No change to current operations.
- ***Increasing productivity*** -- Test CFR trucks more frequently which leads to increased reliability in a critical safety area.
- ***Saving money*** -- Eliminate AFFF collecting and disposing cost, and decrease procurement cost.

Crash Fire Rescue truck performing blue dye-water discharge test

Activities typically conduct tests of CFR trucks on a daily or weekly basis, to ensure operational readiness. The amount of AFFF wastewater generated after each test ranges from 500 to 900 gallons per truck. The AFFF wastewater has a high disposal cost since discharge to the sanitary sewer will severely disrupt local treatment operations (shock loading and foaming). The foam distribution test kit eliminates the use of AFFF during testing which results in no wastestream whatsoever. Test kits are available for the Oshkosh P-19 and Amertek CF4000L crash trucks. ***This equipment is available through the Navy Pollution Prevention Equipment Program.***

How can you achieve these improvements?

Implement a Foam Distribution Test Kit for CFR Trucks.

How does this equipment work?

This technology tests the CFR trucks foam distribution system without creating an AFFF wastestream.

How will this equipment save you money?

The typical cost to implement is $8,000 to $10,000 per CFR truck. If the truck is tested weekly, the equipment will pay for itself within two months.

How can this technology system eliminate or reduce pollution?

When implemented, this technology can eliminate the use of harmful solvents. Implementation will result in the following pollution reductions:

- Elimination of AFFF Wastewater Disposal as Hazardous Waste
- Decreased Procurement of AFFF

Which shops can benefit most from this technology?

This technology can be used by any process which tests the foam distribution system of CFR trucks. The typical shop is Automotive Maintenance and Repair.

Take action: How can you implement this technology?

- **Activity Shop & Work Center Personnel**. If you work at an activity, contact your Pollution Prevention Program Manager. The P2 Program Manager can provide more information and conduct a more detailed analysis, and may be able to provide this equipment at no cost to a Shop or Work Center.
- **Activity Pollution Prevention Manager**. Request funding and installation assistance for this technology through the Navy P2 Equipment Program. Depending on the application, the Environmental Requirements Cookbook may contain project submission information for annual budget submissions to your major claimant.
- **For Additional Technical Information**. More information about this technology can be found in the PPEP Equipment Book, which is contained in the Joint Service P2 Technical Library. (Web: http://p2library.nfesc.navy.mil/P2_Opportunity_Handbook/11_2.html).

Achieving Environmental Compliance Through Pollution Prevention

Everyday the Navy faces the challenge of operating and maintaining the fleet while complying with environmental regulations. This burden can be reduced by implementing pollution prevention technologies and methods to reduce compliance requirements. This Fact Sheet is one in a series designed to encourage activities to implement pollution prevention technologies and methods. The overall goal of this series is to promote sustained environmental compliance at the lowest life-cycle cost.

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